

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently amended) A method for tracking ~~completion~~ an execution of a single request across a request identification boundary in a system ~~including a trace log for recording stages of completing a request~~, the method comprising:

providing a trace log for recording one or more events that occur during the execution of the single request across the request identification boundary, the request identification boundary comprising a change to an identification of the single request during the occurrence of the one or more events;

first recording, within the trace log, a first event including a first request identification;

second recording, within the trace log, a second event including a second request identification; and

storing linking information, within the trace log comprising marking a transition of, ~~within the trace log, the change to the~~ of the request identification of the single request from the first request identification to the second request identification.

2. (Currently amended) The method of claim 1 wherein the request identification boundary corresponds to processing the single request by a first and a second server component.

3. (Currently amended) The method of claim 1 wherein the request identification boundary corresponds to processing the single request by a first and a second thread.

4. (Currently amended) The method of claim 1 wherein the request identification boundary corresponds to changing a ~~the request~~ identification of the single request while completing a same transaction arising from the single request.

5. (Currently amended) The method of claim 1 wherein the request identification boundary corresponds to transferring a the single request from a first machine to a second machine.

6. (Currently amended) The method of claim 1 further comprising the step of correlating, by a consumer utility, the first and second events to the single request using the linking information.

7. (Currently amended) The method of claim 6 further comprising applying by the consumer utility, a set of trace records for the single request, including event records for the first and second events, to a state machine.

8. (Original) The method of claim 7 wherein the state machine models a sequence of events corresponding to a composite request.

9. (Original) The method of claim 7 wherein an event type value is stored for each recorded event and wherein the event type value directs progression of the state machine.

10. (Currently amended) The method of claim 1 wherein the storing linking information step is performed after the first recording ~~event~~step and before the second recording step.

11. (Original) The method of claim 1 wherein the linking information comprises a request identification transition event record, and wherein the request identification transition event record includes:

- a transition event identifier,
- the first request identification, and
- the second request identification.

12. (Original) The method of claim 1 wherein the first recording step and second recording step each comprises storing a timestamp corresponding to the first and second events, respectively.

13. (Currently amended) ~~An event tracing framework maintained on a~~ A computer-readable storage medium tangibly embodying a program of computer-executable instructions for enabling a computer to perform the steps for tracking completion an execution of a single request across a request identification boundary in a system, including a trace log for recording stages of completing a request, the event tracing framework including computer executable instructions facilitating performing the steps of comprising:

providing a trace log for recording one or more events that occur during the execution of the single request across the request identification boundary, the request identification boundary comprising a change to an identification of the single request during the occurrence of the one or more events;

first recording, within the trace log, a first event including a first request identification;

second recording, within the trace log, a second event including a second request identification; and

storing linking information, within the trace log comprising marking a transition of , within the trace log, the change to the identification of the single request identification from the first request identification to the second request identification within the trace log.

14. (Currently amended) ~~The event tracing framework~~ computer-readable storage medium of claim 13 wherein the request identification boundary corresponds to processing the single request by a first and a second server component.

15. (Currently amended) ~~The event tracing framework~~ computer-readable storage medium of claim 13 wherein the request identification boundary corresponds to processing the single request by a first and a second thread.

16. (Currently amended) ~~The event tracing framework~~ computer-readable storage medium of claim 13 wherein the request identification boundary corresponds to changing a ~~request~~ the identification of the single request while completing a same transaction arising from the single request.

17. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 13 wherein the request identification boundary corresponds to transferring ~~a~~ the single request from a first machine to a second machine.

18. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 13, wherein the steps further comprise ~~comprising a consumer utility including computer-executable instructions facilitating performing the step of providing a consumer utility for~~ correlating the first and second events to the single request using the linking information.

19. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 18, wherein the steps further comprise ~~comprising computer-executable instructions~~ facilitating applying a set of trace records for the single request, including event records for the first and second events, to a state machine.

20. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 19 wherein the state machine models a sequence of events corresponding to a composite request.

21. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 19 wherein an event type value is stored for each recorded event and wherein the event type value directs progression of the state machine.

22. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 13 wherein the storing linking information step is performed after the first recording ~~event~~ step and before the second recording step.

23. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 13 wherein the linking information comprises a request identification transition event record, and wherein the request identification transition event record includes:

- a transition event identifier,
- the first request identification, and

the second request identification.

24. (Currently amended) The ~~event tracing framework~~ computer-readable storage medium of claim 13 wherein the first recording step and second recording step each includes storing a timestamp corresponding to the first and second events, respectively.

25. (Currently Amended) ~~An event log consumer utility stored on a~~ A computer-readable storage medium tangibly embodying a program of computer-executable instructions for enabling a computer to perform the steps for generating performance reports relating to tracking ~~completion~~ an execution of a single request across a request identification boundary in a system ~~including a trace log for recording stages of completing a request, the event log consumer utility the steps~~ comprising:

providing a trace log for recording one or more events that occur during the execution of the single request across the request identification boundary, the request identification boundary comprising a change to an identification of the single request during the occurrence of the one or more events, and

~~a request completion trace event reconstruction function for providing an event log consumer utility for generating performance data associated with a~~ the single request including executable instructions for, comprising:

first locating, within the trace log, a first event including a first request identification;

second locating, within the trace log, a second event including a second request identification; and

reading linking information, ~~within the trace log marking a transition of the request identification,~~ the linking information comprising a record of the change to the identification of the from the first request identification to the second request identification; and

correlating the first event and second event with the single request.

26. (Currently amended) The ~~event log consumer utility~~ computer-readable storage medium of claim 25 wherein the linking information is provided by ~~a~~ an event trace record,

the event trace record including a transfer event type, a source request identification and a destination request identification.

27. (Currently amended) The ~~event log consumer utility~~ computer-readable storage medium of claim 25 wherein the request identification boundary corresponds to a change of components processing ~~a~~ the single request.

28. (Currently amended) The ~~event log consumer utility~~ computer-readable storage medium of claim 25 wherein the request identification boundary corresponds to a change of ~~machine~~ machines processing ~~a~~ the single request.

29. (Currently amended) ~~A trace event record provider facilitating linking recorded events arising from a same request across request identification boundaries, the trace event record provider stored on a~~ A computer-readable storage medium tangibly embodying a program of computer-executable instructions for enabling a computer to perform the steps for generating an event tracing record, the steps comprising:

providing a trace event record provider for facilitating linking recorded events arising from a same request across one or more request identification boundaries, the one or more request identification boundaries comprising one or more changes to an identification of the same request during the arisen recorded events, the trace event record provider comprising:

- a request identification transition event type generator;
- a source request identification; and
- a destination request identification.

30. (Currently amended) The ~~trace event record provider~~ computer-readable storage medium of claim 29 wherein the one or more request identification ~~boundary corresponds~~ boundaries correspond to a change of components processing ~~a~~ the same request.

31. (Currently amended) The ~~trace event record provider~~ computer-readable storage medium of claim 29 wherein the one or more request identification ~~boundary corresponds~~ boundaries correspond to a change of machine processing ~~a~~ the same request.